

# AI Planning

## Exercise Sheet 12

Date: January 29, 2015  
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### Exercise 12.1

$D_0^{bwd} := \{\gamma\}$  //per definition  
 $D_1^{bwd} := \{\gamma, o_1\}$  //  $a$  is precondition,  $b$  is an effect in any case  
 $D_2^{bwd} := \{\gamma, o_1, o_2\}$  //  $a$  is an effect in any case  
 $D_3^{bwd} := \{\gamma, o_1, o_2, o_3\}$  //  $\neg a \wedge b$  is an effect in any case  
 $\delta_G^{bwd}(I') = 3$

### Exercise 12.2

### Exercise 12.3